

**Work Order ID** 55881

February 3, 2010 1:52:35 PM



Page 1

**Item ID:** D4022-041**Accept****Setup****Start****Revision ID:****Item Name:** Fuel Pump Assembly**Stop****Start Date:** 2/03/10 **Start Qty:** 1.00**Cust Item ID:****Required Date:** 2/10/10 **Req'd Qty:** 1.00**Customer:****Reference:****Approvals:****Process Plan:***H***Date:** 10-2-03**Tooling:****Date:****Run****Start****QC:****Date:****SPC (Y/N):****Date:****Stop****Sequence ID/  
Work Center ID****Operation  
Description****Set Up/  
Run Hours****Draw  
Number****Draw  
Rev.****Plan  
Code****Accept  
Qty****Reject  
Qty****Reject  
Number****Insp.  
Stamp****Draw Nbr****Revision Nbr**

D4022

A-PRELIM

*Rev. A*

100



Small Fab

**Memo**

assemble as per dwg D4022

0.00

*(X)*

Small Fab

*metatset A4 M4*

0.00

*-7 m/l 10/11/16*

110



QC5- Inspect part completeness to step on W/O

0.00

*8/10/11/17*

QC

Quality Control

**Memo**

0.00

*to Rev A Day*

120



Identify as per dwg &amp; Stock Location: 113

0.00

*10/10/17 (1)*

Packaging

Packaging

**Memo**

0.00

~~PRELIMINARY ISSUE~~

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

Page 1

February 3, 2010 1:52:39 PM

Work Order ID: 55881



Parent Item: D4022-041



Parent Item Name: Fuel Pump Assembly

Start Date: 2/03/10

Required Date: 2/10/10

Comments: IPP rev A 10.02.02 new issue Prelim EC verified by:DD

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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AN815-6D



Union-M-Flare

Purchased No 100 Each 11.0000 2.0000



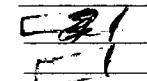
m-f 10/11/16

## Warehouse

### Location

Main Warehouse M114988

ST	Loc Qty	Loc Code
112966	11	
113644	5	
	6	
	100	Each 0.0000 1.0000
		BSS528



m-f 10/11/16

D4022-1



Fuel Pump

D4022-5



Thermal Switch

MS29512-06



O-RING

Manufactured No 100 Each 0.0000 1.0000

ST	Loc Qty	Loc Code
112966	0.0000	1.0000
113644		



m-f 10/11/16

Manufactured No 100 Each 0.0000 1.0000

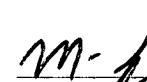
ST	Loc Qty	Loc Code
112966	0.0000	1.0000
113644		



m-f 10/11/16

Purchased No 100 Each 50.0000 2.0000

ST	Loc Qty	Loc Code
112966	50.0000	2.0000
113644		



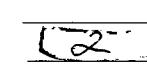
m-f 10/11/16

## Warehouse

### Location

Main Warehouse M114742

ST	Loc Qty	Loc Code
113691	50	



m-f 10/11/16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

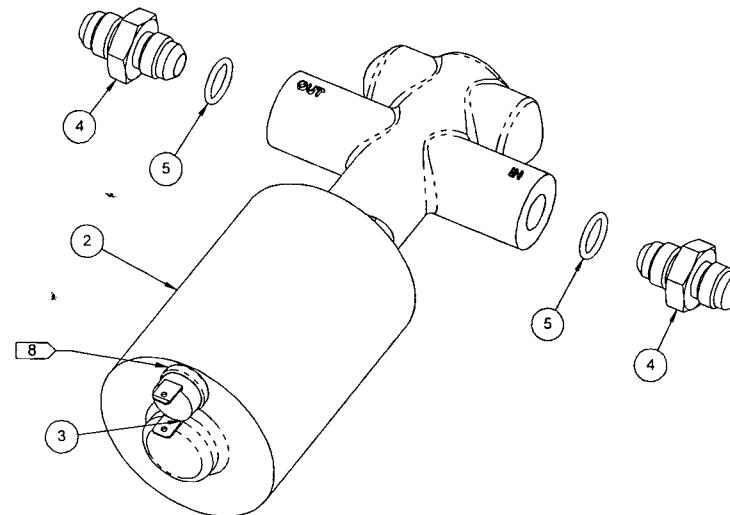
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4022-041	FUEL PUMP ASSEMBLY	A8150-B1-JCA
2	1	D4022-1	FUEL PUMP	
3	1	D4022-5	THERMAL SWITCH	
4	2	AN815-6D	FITTING, UNION	
5	2	MS29512-06	O RING	

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 55881  
20-2-03



D4022-041 FUEL PUMP ASSEMBLY

**PRELIMINARY ISSUE**

10.01.20

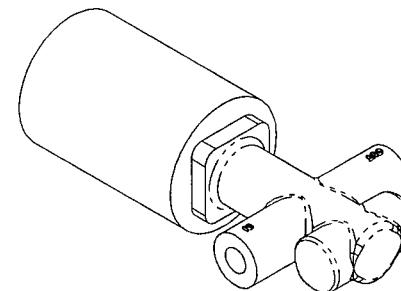
NOTES:  
 1) MATERIAL: N/A  
 2) FINISH: N/A  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4022-041" AND B/N USING FINE POINT PERMANENT INK MARKER  
 7) WEIGHT: 0.93 lbs  
 8) ATTACH D4022-5 THERMAL SWITCH TO D4022-1 FUEL PUMP IN LOCATION SHOWN USING METALSET A4

PA2	NEW ISSUE	10.01.20
REV.	DESCRIPTION	BY DATE
DESIGN	DART AEROSPACE LTD	
DRAWN	HAWKESBURY, ONTARIO, CANADA	
CHECKED	REV. PA2	
MFG. APPR.	DRAWING NO. D4022	
APPROVED	SHEET 1 OF 4	
DE APPR.	TITLE FUEL PUMP	
DATE	SCALE	
10.01.20		

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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4022-1	REF JCA/M47/D3/SHT 13

## SPECIFICATION CONTROL DRAWING



*Done*

DART PART NUMBER	SUPPLIER	SUPPLIER PART NUMBER	OPERATING VOLTAGE	FLOW (GPH)	OUTPUT PRESSURE (PSI)	TEMPERATURE RANGE
D4022-1	WELDON	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F
	AEROSPACE ACCESSORIES	A8150-B1	24 VDC	35 - 50	5 - 25	-65°F TO +185°F

*✓ in 3x*

### D4022-X FUEL PUMP

### PRELIMINARY ISSUE

*10.01.20*

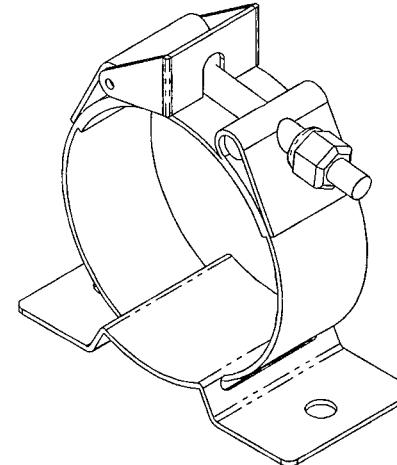
DESIGN	DRAWN	DART AEROSPACE LTD
CHECKED	<i>BB</i>	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	<i>BB</i>	DRAWING NO. REV. PA1
APPROVED	<i>BB</i>	D4022 SHEET 2 OF 4
DE APPR.	<i>BB</i>	TITLE SCALE
DATE	09.11.03	FUEL PUMP NTS

NOTES:  
 1) MATERIAL: N/A  
 2) FINISH: N/A  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: N/A  
 7) WEIGHT: 2.6 lbs

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DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4022-3	REF JCA/M47/D3/SHT 13

## SPECIFICATION CONTROL DRAWING



*Done*

DART PART NUMBER	POSSIBLE SUPPLIER	SUPPLIER PART NUMBER	MATERIAL	FITS MOTOR SIZE ( $\phi$ )
D4022-3	WELDON	TC 250-100	STAINLESS STEEL	2.5
	AIRCRAFT SPRUCE AND SPECIALTY	05-00021	STAINLESS STEEL	2.5
	AEROSPACE ACCESSORIES	TC 250-100	STAINLESS STEEL	2.5

*✓ in S*

### D4022-X MOUNT

### PRELIMINARY ISSUE

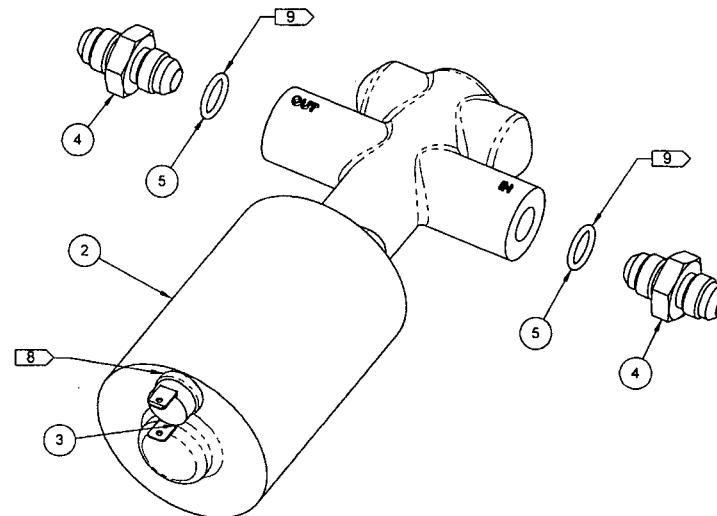
*10.01.20*

DESIGN	<i>E</i>	DART AEROSPACE LTD
DRAWN	<i>E</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>E</i>	DRAWING NO.
MFG. APPR.	<i>E</i>	REV. PA1
APPROVED	<i>E</i>	SHEET 3 OF 4
DE APPR.	<i>E</i>	TITLE
DATE	09.11.03	SCALE
		NTS
FUEL PUMP		

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NOTES:  
 1) MATERIAL: N/A  
 2) FINISH: N/A  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: N/A  
 7) WEIGHT: 0.33 lbs

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X	D4022-041	FUEL TRANSFER PUMP ASSEMBLY	A8150-B1-JCA
2	1	D4022-1	FUEL TRANSFER PUMP	
3	1	D4022-5	THERMAL SWITCH	
4	2	AN818-6D	FITTING, UNION	
5	2	MS29512-06	O RING	



W10 55821

D4022-041 FUEL TRANSFER PUMP ASSEMBLY

RELEASED  
2010-05-05  
WMO

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4022-041" AND B/N USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT: 2.61 lbs
- 8) ATTACH D4022-5 THERMAL SWITCH TO D4022-1 FUEL PUMP IN LOCATION SHOWN USING METALSET A4
- 9) LUBRICATE O-RING WITH ULTRACHEM ASSEMBLY FLUID #1, FUEL-LUBE, MOLYKOTE 55 O-RING GREASE OR EQUIVALENT

A	NEW ISSUE	REV. <i>AS</i>	10.04.16
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>AS</i>	DART AEROSPACE LTD	
DRAWN	<i>AS</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>AS</i>	DRAWING NO.	REV. A
MFG. APPR.	<i>AS</i>	D4022	SHEET 1 OF 4
APPROVED	<i>AS</i>	TITLE	SCALE
DE APPR.	<i>AS</i>	FUEL PUMP	NTS
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